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Substitute for form 1449A/PTO

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 1 of 18

### Complete if Known

Application Number	09/804,111
Filing Date	March 12, 2001
First Named Inventor	Nongnuch Inpanbutr
Group Art Unit	1645
Examiner Name	
Attorney Docket Number	06204-00102

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### U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant Of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code <sup>2</sup> (if known)			
M <sup>2</sup>	AA	4,022,891		Takeshita et al.	May 10, 1977	
	AB	4,341,774		Aoki et al.	July 27, 1982	
	AC	4,364,941		Kiyoki et al.	Dec. 21, 1982	
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	AH	5,087,619		Baggiolini, deceased et al.	Feb. 11, 1992	
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### FOREIGN PATENT DOCUMENTS

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		Office <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)				
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OTHER PRIOR ART - - NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the items (book, magazine, journal, serial, symposium, catalog, etc.), data, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
MB	OA	YU, J.; PAPAVALIOU, V; RHIM, J; GOLTZMAN, D; KREMER, R: "Vitamin D Analogs: New Therapeutic Agents For The Treatment Of Squamous Cancer And Its Associated Hypercalcemia," <i>Anticancer Drugs</i> 1995 Feb;6(1):101-8 <i>abstract only</i>	
MB	OB	WERKMEISTER, JR; MERRYMAN, JI; MCCAULEY, L; HORTON, JE; CAPEN, CC; ROSOL, TJ: "Parathyroid Hormone-related Protein Production By Normal Human Keratinocytes In Vitro," <i>Exp Cell Res</i> 1993 Sep;208(1):68-74 <i>abstract only</i>	
MB	OC	MERRYMAN, JI; CAPEN, CC; MCCAULEY, LK; WERKMEISTER, JR; SUTER, MM; ROSOL, TJ: "Regulation Of Parathyroid Hormone-related Protein Production By A Squamous Carcinoma Cell Line In Vitro," <i>Lab Invest</i> 1993 Sep;69(3):347-54 <i>abstract only</i>	
MB	OD	WANG, X; CHEN, X.; AKHTER, J; MORRIS, DL: "The In Vitro Effect Of Vitamin D3 Analogue EB-1089 On A Human prostate Cancer Cell Line (PC-3)," <i>British Journal Of Urology</i> (1997), 80, 260-262	
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Examiner Signature		Date Considered:	02/21/01
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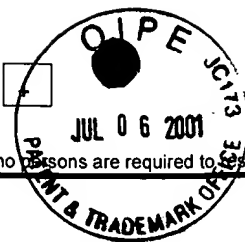
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Examiner Name					
Sheet	3	of	18	Attorney Docket Number	06204-00102

MS	OH	KOLI, KATRI; KESKI-OJA, JORMA: "1,25-Dihydroxyvitamin D <sub>3</sub> Enhances The Expression Of Transforming Growth Factor B1 And Its Latent Form Binding Protein In cultured Breast Carcinoma Cells," <i>Cancer Research</i> 55,1540-1546, April 1, 1995	
MP	OI	MOORE, THEODORE B.; KOEFFLER, H. PHILLIP; YAMASHIRO, JOYCE M.; WADA, RANDAL K.: "Vitamin D <sub>3</sub> Analogs Inhibit Growth And Induce differentiation In LA-N-5 Human Neuroblastoma Cells," <i>Clin.Exp. Metastasis</i> , 1996, 14, 239-245	
MS	OJ	ZHOU, JIAN-YUAN; NORMAN, ANTHONY W.; CHEN, DAN-LIN; SUN, GUO-WEN; USKOKOVIC, MILAN: "1-25-Dihydroxy-16-ene-23-yne-vitamin D <sub>3</sub> Prolongs Survival Time Of Leukemic Mice," <i>Proc. Natl. Acad. Sci. USA</i> , Vol. 87, pp. 3939-3932 May 1990 Medical Sciences	
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MS	ON	SHAMS, G; ROMSTEDT, KJ; GERHARDT, MA; HARROLD, MW; MILLER, DD; FELLER, DR: "Pharmacological Evaluation of the Beta-adrenoceptor Agonist and Thromboxane Receptor Blocking Properties of 1-benzyl Substituted Trimetoquinol Analogues," <i>J Pharmacol (Netherlands)</i> , Aug 2, 1990, 184 (1) p21-31 <i>abstract only</i>	

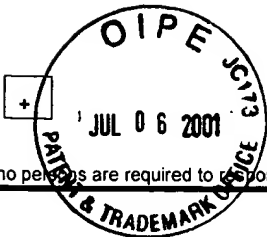
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				Examiner Name	
Sheet	4	of	18	Attorney Docket Number	06204-00102

MS	OO	PRESSOVA, M; SMRT, J: "Lipid Derivatives of (2'-5') Oligo A," <i>Nucleic Acids Symp Ser (England)</i> , 1987, (18) P101-4 <i>abstract only</i>	
	OP	TSE, FL; CHRISTIANO, JR; TALBOT, KC: "Relative Absorption of Tryptophan Ethyl Ester Amide Derivatives With Various Fatty Acid Chains In The Dog," <i>J Pharm Pharmacol (England)</i> , Sep 1984, 36(9) p633-6 <i>abstract only</i>	
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	OR	GUDKOV, ND; STOLOVITSKII, IUM; EVSTIGNEEV, VB: "Impulse Photoconductivity of Solutions of Chlorophyll and its Analogs," <i>Biofizika (USSR)</i> , Mar-Apr 1975, 20(2) p214-8 <i>abstract only</i>	
	OS	LAN, SJ; DEAN, AV; WALKER, BD; SCHREIBER, EC: "Metabolism of a Benzothiazine Compound by the Intact Rat, Isolated Perfused Rat Liver, and Rat-liver Microsomes," <i>Xenobiotica (England)</i> , Mar 1976,6(3) p171-83 <i>abstract only</i>	
	OT	POIRIER, MA; BLACK, DB; LOVERING, EG: "Formation of Alkyl Carbamates From Glyburide: Potential for Overestimation in the BP Glibenclamide (Glyburide) Foreign Substances Test," <i>Can. J. Pharm. Sci.</i> , VOL 15 ISS, Jan 1980, P8-9 <i>abstract only</i>	
MS	OU	BOWMAN, JC; BEROZA, M; HARDING, JA: "Determination of Phorate and Five of Its Metabolites in Corn," <i>J. Agr. Food Chem.</i> , 17(1), 138-42, 1969 <i>abstract only</i>	
	OV	<del>HUANG, W; SHOBANA, S; ANDERSEN, OS; GREATHOUSE, DV; KOEPPE, RE: "Double-stranded Channels Are Formed by Gramicidin Analog, V-9GLW," <i>Biophysical Journal</i>, 72 (2 Part 2):pA395 1997</del>	
MB	OW	UCHIYAMA, MINORU; MURAKAMI, TOSHIKI: "Effects of AVT and Vascular Antagonists on Kidney function and Smooth Muscle Contraction in the River Lamprey, <i>Lampetra Japonica</i> ," <i>Comparative Biochemistry and Physiology A Comparative Physiology</i> , 107 (3):p493-499 1994 <i>abstract only</i>	

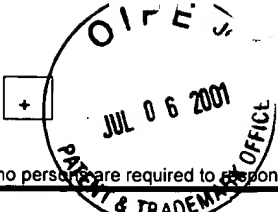
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M/O	OX	MANHI, FM; ABDEL-FATTAH, AM: "Reactions with 6-substituted-2-thiouracil-5-carbonitriles. Synthesis of Tetrazolo (1,5-c) and Ditetrazolo (1, 5-a: 1, 5-c) Pyrimidines," <i>Egyptian Journal of Pharmaceutical Sciences</i> , 33 (5-6):p825-838, 1992 (1993) <i>abstract only</i>	
	OY	COMPTON, DR; JOHNSON, MR; MELVIN, LS; MARTIN, BR: "Pharmacological Profile of a Series of Bicyclic Cannabinoid Analogs Classification as Cannabimimetic Agents," <i>J Pharmacol Exp Ther</i> 260 (1). 1992. 201-209 <i>abstract only</i>	
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	OAD	LEFLOCH, C; HENDERSON, RA; HITCHCOCK, PB; HUGHES, DL; JANAS, Z; RICHARDS, RL; SOBOTA, P; SZAFERT, S: "Reactions of Substituted Hydrazines With Vanadium(iii) Compounds - Crystal-Structures of [NH(2)ME(2)](2)[(VCL3)(2)(MU-NNME(2)) (3)], [V(OC6H3PR2I-2,6)(3) (NH(2)NME(2)) (2)], AND [V(OC6H3PR2I-2,6) (3) (NH(2)NMEPH)2]," <i>Journal of the Chemical Society-Dalton Transactions</i> , 1996, N13 (JUL 7), P2755-2762 <i>abstract only</i>	
NB	OAE	BHAUMIK, A; DONGARE, MK; KUMAR, R: "Synthesis of MTW-Type Microporous Material and Its Vanadium-Silicate Analog Using a New Diquaternary Ammonium Cation as a Template," <i>Microporous Materials</i> , 1995, V5, N3 (Nov), P173-178 <i>abstract only</i>	

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ms	OAF	REHDER, D: "Structure and Function of Vanadium Compounds in Living Organisms," <i>Biometals</i> , 1992, V5, N1 (SPR), P3-12 *	
	OAG	KABANOS, TA; WHITE, AJP; WILLIAMS, DJ; WOOLLINS, JD: "Synthesis and X-ray Structures of BIS (3, 5-DI-TERT-BUTYLCATECHOLATO) (PHENANTHROLINE) Vanadium (IV) and its Vanadium(V) Analog [V(DTBC) 2 (PHEN)] [SBF6]," <i>Journal of the Chemical Society-Chemical Communications</i> , 1992, N1 (JAN 1), P17-18 *	
	OAH	TOVERUD, SU; ANDERSON, JJB; GARNER, SC: "Vitamin D," <i>Food Science &amp; Technology</i> , 1995 *	
	OAI	NORMAN, AW; SERGEEV, IN; BISHOP, JE; OKAMURA, WH: "Selective Biological Response by Target Organs (intestine, kidney, and bone) to 1,25-dihydroxyvitamin D <sub>3</sub> and Two Analogues," <i>Cancer Research</i> , (United States) 1993, 53/17 (3935-3942) *	
	OAJ	VAN DEN BEMD, G-JCM; POLS, HAP; BIRKENHAGER, JC; KLEINEKOORT, WMC; VAN LEEUWEN, JPTM: "IMSWorld R&D Focus, June 28, 1999" *	
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	OAL	KOSZEWSKI, JN; REINHARDT, TA; HORST, RL: "Differential Effects of 20-3pi Vitamin D Analogs on the Vitamin D Receptor Homodimer," <i>J Bone Miner Res</i> (United States) Apr 1999, 14 (4) p509-17 *	
	OAM	KOSHIZUKA, K; KOIKE, M; ASOU, H; CHO, SK; STEPHEN, T; RUDE, RK; BINDERUP, L; USKOKOVIC, M; KOEFFLER, HP: "Combined Effect of Vitamin D <sub>3</sub> Analogs and Paclitaxel on the Growth of MCF-7 Breast Cancer Cells In Vivo," <i>Breast Cancer Res Treat</i> (Netherlands), Jan 1999, 53 (2) p113-20 *	
ms	OAN	KOSHIZUKA, K; KUBOTA, T; SAID, J; KOIKE, M; BINDERUP, L; USKOKOVIC, M; KOEFFLER, HP: "Combination Therapy of a Vitamin D <sub>3</sub> Analog and All-Trans-Retinoic Acid: Effect on Human Breast Cancer in Nude Mice" <i>Anticancer Res</i> (Greece), Jan-Feb 1999, 19 (1A) p519-24 *	

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Application Number	09/804,111
Filing Date	March 12, 2001
First Named Inventor	Nongnuch Inpanbutr
Group Art Unit	1645
Examiner Name	
Attorney Docket Number	06204-00102

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MB	OAO	LOKESHWAR, BL; SCHWARTZ, GG; SELZER, MG; BURNSTEIN, KL; ZHUANG, SH; BLOCK, NL; BINDERUP, L: "Inhibition of Prostate Cancer Metastasis in vivo: a comparison of 1,23-dihydroxyvitamin D (calcitriol) and EB1089," <i>Cancer Epidemiol Biomarkers Prev</i> (United States), Mar 1999, 8(3) p241-8 *	
	OAP	NICKERSON, T; HUYNH, H: "Vitamin D Analogue EB1089-Induced Prostate Regression is Associated With Increased Gene Expression of Insulin-like Growth Factor Binding Proteins," <i>J Endocrinol</i> (England), Feb. 1999, 160(2) p223-9 *	
	OAQ	JAMES, SY; MERCER, E; BRADY, M; BINDERUP, L; COLSTON, KW: "A Synthetic Analogue of Vitamin D, Induces Apoptosis in Breast Cancer Cells In Vivo and In Vitro," <i>Br J Pharmacol</i> (England), Nov 1998, 125 (5) p953-62 *	
	OAR	MATHIASSEN, IS; COLSTON, KW; BINDERUP, L: "A Novel Vitamin D Analogue, Has Strong Antiproliferative and Differentiation Inducing Effects On Cancer Cells," <i>J Steroid Biochem Mol Biol</i> (England), Sep 1993, 46(3) p365-71 *	
	OAS	SOMJAN, D.; WAISMAN, A; WEISMAN, J; KAYE, AM: "Nonhypercalcemic Analogs of Vitamin D Stimulate Creatine Kinase B Activity in Osteoblast-like ROS 17/2.8 Cells and Up-regulate Their Responsiveness to Estrogens," <i>Steroids</i> (United States) May-June 1998, 63 (5-6) P340-3 *	
	OAT	VANWEELDEN, K.; FLANAGAN, L; BINDERUP, L; TENNISWOOD, M; WELSH, J: "Apoptotic Regression of MCF-7 Xenografts in Nude Mice Treated with the Vitamin D <sub>3</sub> Analog," <i>Endocrinology</i> (United States) April, 1998, 139(4) -2102-10 *	
	OAU	HANSEN, CM; MAENPAA, PH: "A Novel Vitamin D Analog With Strong Antiproliferative and Differentiation-inducing Effects on Target Cells," <i>Biochem Pharmacol</i> (England), Dec 1 1997, 54(11) p1173-9 *	
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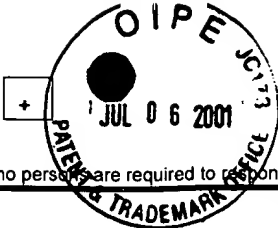
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Wb	OAW	COLSTON, KW; JAMES, SY; OFORI-KURAGU, EA; BINDERUP, L; GRANT, AG: "Vitamin D Receptors and Anti-proliferative Effects of Vitamin D Derivatives in Human pancreatic Carcinoma Cells In Vivo and In Vitro," <i>Br J Cancer</i> (Scotland) 1997, 76(8) p1017-20	*
	OAX	SCHRADER, M; KAHLEN, JP; CARLBERG, C: "Functional Characterization of a Novel Type of 1 Alpha, 25-dihydroxyvitamin D <sub>3</sub> Response Element Identified in the Mouse C-fos Promoter," <i>Biochem Biophys Res Commun</i> (United States) Jan 23 1997, 230(3) p646-51	*
	OAY	ZUGMAIER, G; JAGER, R; GRAGE, B; GOTTARDIS, MM; HAVEMANN, K; KNABBLE, C: "Growth-inhibitory Effects of Vitamin D Analogues and Retinoids on Human Pancreatic Cancer Cells," <i>Br J Cancer</i> (Scotland), Jun 1996, 73 (11) p1341-6	*
	OAZ	KISSMEYER, AM; BINDERUP, E; BINDERUP, L; MORK, HANSEN C; ANDERSEN, NR; MAKIN, HL; SCHROEDER, NJ; SHANKAR, VN; JONES, G: "Metabolism of the Vitamin D Analog EB 1089: Identification of In Vivo and In Vitro Liver Metabolites and Their Biological Activities," <i>Biochem Pharmacol</i> (England) Apr 25 1997, 53 (8) p1087-97	*
	OBA	PAKKALA, I; SAVLI, H; KNUUTILA, S; BINDERUP, L; PAKKALA, S: "CB1093, a Novel Vitamin D Analog; Effects on Differentiation and Clonal Growth on HL-60 and de novo Leukemia Cells," <i>Leuk Res</i> (england) April 1997, 21 (4) p321-6	*
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	OBC	AKHTER, J; CHEN, X; BOWREY, P; BOLTON, EJ; MORRIS, DL: "Vitamin D <sub>3</sub> Analog, EB1089, Inhibits Growth of subcutaneous Xenografts of the Human Colon Cancer Cell Line, LoVo, in a Nude Mouse Model," <i>Dis Colon Rectum</i> (United States) March 1997, 40 (3) p317-21	*
MZ	OBD	LAMARI, Y; GAREL, JM: "Decrease in CGRP and CT Levels Either contained in or Released by CA-77 C Cells After Combined Treatments with 1,25-dihydroxyvitamin D <sub>3</sub> Analogues and 9-cis Retinoic Acid," <i>Reprod Nutr Dev</i> (France) 1997, 37 (1) p3-12	*

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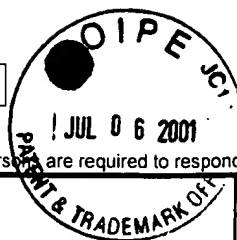
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MP	OBE	MUSIOL, IM; FELDMAN, D: "1,25-dihydroxyvitamin D <sub>3</sub> Induction of Nerve Growth Factor in L929 Mouse Fibroblasts: Effect of Vitamin D Receptor Regulation and Potency of Vitamin D <sub>3</sub> Analogs," <i>Endocrinology</i> (United States), Jan 1997, 138 (1) -12-8	
	OBF	JAMES, SY; MACKAY, AG; COLSTON, KW: "Effects of 1,25 Dihydroxyvitamin D <sub>3</sub> and Its Analogues on Induction of Apoptosis in Breast Cancer Cells," <i>J Steroid Biochem Mol Biol</i> (England), July 1996, 58 (4) p395-401	
	OBG	BAUDET, C; CHEVALIER, G; NAVEILHAN, P; BINDERUP, L; BRACHET, P; WION, D: "Cytotoxic Effects of 1 Alpha, 25-dihydroxyvitamin D <sub>3</sub> and Synthetic Vitamin D <sub>3</sub> Analogues on a Glioma Cell Line," <i>Cancer Lett</i> (Ireland), Feb 27 1996, 100 (1-2) p3-10	
	OBH	ROY, S; MARTEL, J; TENENHOUSE, HS: "Comparative Effects of 1,25-dihydroxyvitamin D <sub>3</sub> -24-hydroxylase," <i>J Bone Miner Res</i> (United States) Dec 1995, 10 (12) p1951-9	
	OBI	WIBERG, K; LJUNGHALL, S; BINDERUP, L; LJUNGGREN, O: "Studies on Two New Vitamin D Analogs, EB 1089 and KH 1060: Effects on Bone Resorption and Osteoclast Recruitment In Vitro," <i>Bone</i> (United States) Oct 1995, 17 (4) p391-5	
	OBJ	van den BEMD, GJ; POLS, HA; BIRKENHAGER, JC; KLEINEKOORT, WM; van LEEUWEN, JP: "Differential Effects of 1,25-dihydroxyvitamin D <sub>3</sub> -Analogues on Osteoblast-like Cells and on In Vitro Bone Resorption," <i>J Steroid Biochem Mol Biol</i> (England), Dec 1995, 55 (3-4) p337-46	
	OBK	DAVICCO, MJ; COXAM, V; GAUMET, N; LEBECQUE, P; BARLET, JP: "EB 1089, a Calcitriol Analogue, Decreases Fetal Calcium Content When Injected into Pregnant Rats," <i>Exp Physiol</i> (England), May 1995, 80 (3) p449-56	
MS	OBL	OKAMURA, WH; MIDLAND, MM; NORMAN, AW; HAMMOND, MW; DORMANEN, MC; NEMERE, I: "Biochemical Significance of the 6-s-cis Conformation of the Steroid Hormone 1 Alpha, 25-dihydroxyvitamin D <sub>3</sub> Based on the Provitamin D Skeleton," <i>Ann N Y Acad Sci</i> (United States) June 12 1995, 761 p344-8	

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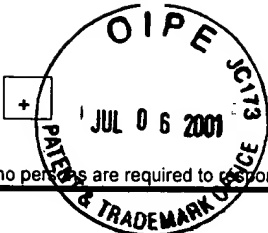
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MB	OBM	YU, J; PAPAVALIOU, V; RHIM, J; GOLTZMAN, D; KREMER, R: "Vitamin d Analogs: "New Therapeutic Agents for the Treatment of Squamous Cancer and its Associated Hypercalcemia," <i>Anticancer Drugs</i> (england), Feb 1995, 6 (1) p101-8	
	OBN	VINK-VAN WIJNGAARDEN, T; BIRKENHAGER, JC; KLEINEKOORT, WM; van den BEMD, GH; POLS, HA; van LEEUWEN, JP: "Antiestrogens Inhibit in Vitro Bone Resorption Stimulated by 1,25-dihydroxyvitamin D <sub>3</sub> and the vitamin D <sub>3</sub> Analogs," <i>Endocrinology</i> (United States) Feb 1995, 136 (2) p812-5	
	OBO	BERG, JP; LIANE, KM; BJORHOVDE, SB; BJORO, T; TORJESEN, PA; HAUG, E: "Vitamin D Receptor Binding and Biological Effects of Cholecalciferol Analogues in Rat Thyroid Cells," <i>J Steroid Biochem Mol Biol</i> (England) Aug 1994, 50 (3-4) p145-50	
	OBP	CARLBERG, C; MATHIASSEN, IS; SAURAT, JH; BINDERUP, L: "The 1,25-dihydroxyvitamin D <sub>3</sub> (VD) Analogues MC903, EB1089 and KH1060 Activate the VD Receptor: Homodimers Show Higher Ligand Sensitivity Than Heterodimers with Retinoid X Receptors," <i>J Steroid Biochem Mol Biol</i> (England), Nov 1994, 51 (3-4) p137-42	
	OBQ	HAQ, M; KREMER, R; GOLTZMAN, D; RABBANI, SA: "A Vitamin D Analogue (EB1089) Inhibits Parathyroid Hormone-related Peptide Production and Prevents the Development of Malignancy-Associated Hypercalcemia In Vivo," <i>J Clin Invest</i> (United States) June 1993, 91 (6) p2416-22	
	OBR	COLSTON, KW; MACKAY, AG; JAMES, SY; BINDERUP, L; CHANDER, S; COOMBES, RC: "A New Vitamin D Analogue that Inhibits the Growth of Breast Cancer Cells In Vivo and In Vitro," <i>Biochem Pharmacol</i> (England), Dec 15, 1992, 44 (12) p2273-80	
	OBS	LEE, YOUNG YIUL; PARK, WOO HYUN; SEOL, JAE GOO; KIM EUN, SHIL; HYUN, JUNG MI; SEOL, JAE GOO; KIM, EUN SHIL; HYUN, JUNG MI; JUNG, CHUL WON; LEE, CHUNG CHOO; KIM, BYOUNG KOOK: "Cell Cycle Arrest Induced by Vitamin D <sub>3</sub> Analog, EB1089, in NCI-H929 Myeloma Cells is Associated with Induction of Cyclin-dependent Kinase Inhibitor, p27," <i>Blood</i> 94 (10 SUPPL. 1 PART 2): p158b Nov. 15, 1999	
MA	OBT	LEE, YOUNG YIUL; PARK, WOO HYUN; SEOL, JAE GOO; KIM, EUN SHIL; HYUN, JUNG MI; JUNG, CHUL WON; LEE, CHUNG CHOO; KIM, BYOUNG KOOK: "Induction of Apoptosis by Vitamin D <sub>3</sub> Analog, EB1089, in NCI-H929 Myeloma Cells Via Activation of Caspase-3 and p38 Map Kinase," <i>Blood</i> 94 (10 SUPPL. 1 PART 2): p158b Nov. 15, 1999	

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NB	OBU	XIE, SP; PIRIANOV, G; COSTON, KW: "Vitamin D Analogues Suppress IGF-I signalling and Promote Apoptosis in Breast Cancer Cells," <i>European Journal of Cancer</i> , 35 (12):p1717-1723 Nov., 1999	
	OBV	STENFELDT, MATHIASSEN IDA; LADEMANN, ULRIC; JAATTELA, MARJA: "Apoptosis Induced by Vitamin D Compounds in Breast Cancer Cells is Inhibited by Bcl-2 But does Not Involve Known Caspases or p53," <i>Cancer Research</i> 59 (19):p4848-4856 Oct. 1, 1999	
	OBW	LIN, R; AKUTSU, N; BASTIEN, Y; HENDERSON, JE; WHITE, JH: "Regulation of Vascular Endothelial Growth Factor Gene Expression by Vitamin D <sub>3</sub> ," <i>Journal of Bone and Mineral Research</i> , 14 (SUPPL. 1):pS424 Sept., 1999	
	OBX	NARAYANAN, R; SMITH, CL; WEIGEL, NL: "EB1089 Treatment Partially Reverses the Reduction in vitamin D Receptor Activity in MG-63 Cells Subjected to Simulated Microgravity," <i>Journal of bone and Mineral Research</i> 14 (SUPPL., 1):pS304 Sept., 1999	
	OBY	PETTERSSON, F; COLSTON, KW; DALGLEISH, AG: "Differential Control of Cell Growth and Death in Pancreatic Tumour Cells by Retinoids and Vitamin D Analogues," <i>British Journal of Cancer</i> 80 (SUPPL. 2):p48 July, 1999	
	OBZ	PIRIANOV, G; COLSTON, KW: "Vitamin D Analogues Suppress IGF-I Signalling and Promote Apoptosis in Human Breast Cancer Cells," <i>Journal of Endocrinology</i> 160 (SUPPL.):pOC3 March, 1999	
	OCA	LOKESHWAR, BAL L; SCHWARTZ, GARY G; SELZER, MARIE G; BURNSTEIN, KERRY L; ZHUANG, SEN-HONG; BLOCK, NORMAN L; BINDERUP, LISE: "Inhibition of Prostate Cancer Metastasis in Vivo: A Comparison of 1,25-dihydroxyvitamin D (Calcitriol) and EB1089," <i>Cancer Epidemiology Biomarkers &amp; Prevention</i> 8 (3): p241-248	
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NB	OCC	LEE, YY; SEOL, JG; PARK, WH; KIM, ES; JUNG, CW; BINDERUP, L; KOEFLER, HP; KIM, BK: "Vitamin D <sub>3</sub> Analog, EB1089, Induced Antileukemic Effect of HL-60 Cells Via Activation of Cyclin-Dependent Kinase Inhibitor, p21," <i>Blood</i> 92 (10 SUPPL. 1 PART 1-2):p204A Nov. 15, 1998	

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Substitute for form 1449A/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)			<b>Complete if Known</b>		
			Application Number	09/804,111	
			Filing Date	March 12, 2001	
			First Named Inventor	Nongnuch Inpanbutr	
			Group Art Unit	1645	
			Examiner Name		
Sheet	12	of	18	Attorney Docket Number	06204-00102

MB	OCD	DALHOFF, KIM; ASTRUP, LONE; BACH-HANSEN, JESPER; BURCHARTH, FLEMMING; HAAHR, HANNE LO; HAMBERG, KARIN J; EVANS, THOMAS RJ; LOFTS, FIONA; MOLLER, SUSANNE; RANEK, LEO; SKOVSGAARD, TORBEN; STEWARD, WILLIAM P: "Seocalcitol (EB1089), a Vitamin D Analogue, in Hepatocellular Carcinoma," <i>Hepatology</i> 28 (4 PART 2):p227A Oct., 1998	★
	OCE	KULLENBERG, B; AXELSON, J: "Analogues of Vitamin D <sub>3</sub> Decreases Stimulation of Growth by EGF and TGF-alpha in a Human Pancreatic Cancer Cell Line," <i>Digestion</i> 59 (3):p220-221 May-June, 1998	★
	OCF	DANIELSSON, CARINA; FEHSEL, KARIN; CARLBERG, CARSTEN: "Antiproliferative Response to Two Human Primary Melanoma Cell Lines to 1,25-dihydroxyvitamin D <sub>3</sub> and its Analogues," <i>Journal of Dermatological Science</i> , 16 (SUPPL. 1):pS102 March, 1998	★
	OCG	HUYNH, HUNG: "Regulation of Insulin-Like Growth Factor II (IGF-II) and IGF Binding Protein 3 Autocrine Loop in Human PC-3 Prostate Cancer Cells by 1,25(OH) <sub>2</sub> D <sub>3</sub> and its Analog BE1089," <i>Proceedings of the American Association for Cancer Research Annual Meeting</i> , 39p451 March, 1998	★
	OCH	SUNDARAM, S; GERWITZ, DA: "EB1089 Enhances the Antiproliferative Effects of Radiation in Breast Tumor Cells," <i>Proceedings of the American Association for Cancer Research Annual Meeting</i> , 39p5 March, 1998	★
	OCI	FALZON, MIRIAM; ZONG, JIAN: "The Noncalcemic Vitamin D Analogs FB1089 and 22-Oxacalcitriol Suppress Serum-induced parathyroid Hormone-related Peptide Gene Expression in a Lung Cancer Cell Line," <i>Endocrinology</i> , 139 (3):p1046-1053 March, 1998	★
	OCJ	PAKKALA, S; SPROGEL, P; REMES, K; NOUSIAINEN, T; KOIVUNEN, E; PELLINIEMI, T-T; RUUTU, T; ELONEN, E: EB1089, a Vitamin D Analog in MDS and AML, <i>Blood</i> 90 (10 SUPPL. 1 PART 1):p508A Nov. 15, 1997	★
MB	OCK	LEE, YY; PARK, WH; SEOL, JG; KIM, ES; JUNG, CW; BINDERUP, L; KOEFFLER, HP; KIM, BK: "In Vivo Effect of a Vitamin D <sub>3</sub> Analog, EB1089, on Acute Myelogenous Leukemia," <i>Blood</i> 90 (10 SUPPL. 1 PART 1):p189A Nov. 15, 1997	★

★ only abstracts have been considered

Examiner Signature	<i>[Signature]</i>	Date Considered:	6/21/02
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Sheet 13 of 18	Attorney Docket Number 06204-00102			

WLD	OCL	SCHRADER, MAGDALENA; KAHLEN, JEAN-PIERRE; CARLBERG, CARSTEN: "Functional characterization of a Novel type of 1-Alpha, 25-Hydroxyvitamin D-3 Response Element Identified in the Mouse C-Fos Promoter," <i>Biochemical and Biophysical Research Communications</i> , 230 (3):p646-651 1997	☆
	OCM	KANE, KF; WALKER, EA; LANGMAN, MJS; WILLIAMS, GR: "Differential Activity of Vitamin Analogues Results From Altered Metabolism," <i>Journal of Endocrinology</i> , 151 (SUPPL.):pP98 1996	☆
	OCN	XIE, SP; JAMES, SY; COLSTON, KW: "Vitamin D Derivatives Inhibit the Mitogenic Effects of IGF-1 on Human Breast Cancer Cells," <i>Journal of Endocrinology</i> 151 (SUPPL.):pO30 1996	☆
	OCO	JAMES, SY; TURNER, A; COLSTON, KW: "Vitamin D Derivatives Potentiate the Induction of Apoptosis in Human Leukaemia Cells by Retinoids," <i>Journal of Endocrinology</i> 151 (SUPPL.):pO29 1996	☆
	OCP	PUTHER, D; BATAILLE, R; BARILLE, S; MELLERIN, M-P; AMIOT, M: "Potent Cytostatic Effects of EB1089 a New Vitamin D-3 Derivative on Myeloma Cells," <i>Proceedings of the American Association for Cancer Research Annual Meeting</i> 37(0):p392 1996	☆
	OCQ	WU, GF; SUN, LZ; BRATTAIN, MG: "Effects of 1,25(OH) <sub>2</sub> Vitamin D3 and its Analogues EB1089 on Regulation of TGF-beta Type II Receptor in Human Breast Cancer MCF-7 Cells," <i>Proceedings of the American Association for Cancer Research Annual Meeting</i> 37 (0):p226 1996	☆
	OCR	GULLIFORD, T; ENGLISH, J; COLSTON, K; SPROGEL, P; COOMBES, RC: "A Phase 1 Study of EB1089, a Vitamin D Analogue," <i>Proceedings of the American Association for Cancer Research Annual Meeting</i> , 37(0):p164 1996	☆
	OCS	LOVE-SCHIMENTI, CD; GIBSON, DFC; BIKLE, DD: "Synergistic Antiproliferative Effects of Vitamin D-3 Analogs and Antiestrogens on ER= and ER- Breast Cancer Cell Lines," <i>Breast Cancer Research and Treatment</i> , 37 (SUPPL.):p72 1996	☆
MB	OCT	LEE, YY; KIM, ES; KIM, BK; KOEFFLER, HP: "Effect of a Vitamin D-3 Analog, EB1089, on Peripheral Blood Stem Cell Transplantation in AML," <i>Blood</i> 86 (10 SUPPL. 1):p143A 1995	☆

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				Group Art Unit	1645
				Examiner Name	
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MS	OCU	ARBELLE, JE; ADAMS, JS: "Vitamin D-induced CD14 Gene Expression in the Human Myelo-monocytic Cell Line U937: "Comparison of 1,25-dihydroxyvitamin D3 with Nonhypercalcemia-causing Analogs," <i>Journal of Investigative Medicine</i> , 43 (SUPPL. 2):p403A 1995	☆
	OCV	MILS, V; BASSET-SEGUIN, N; MOLES, JP; GUILHOU, JJ: "1,25(OH)2D3 and its Synthetic Derivatives (MC903 and EB1089) Induce a Partial Reversal of Tumoral Phenotype In Vitro," <i>Journal of Investigative Dermatology</i> 102(4):p642 1994	☆
	OCW	DE VOS, S; PAKKALA, S; ELSTNER, E; RUDE, B; USKOKOVIC, M; BINDERUP, L; KOEFFLER, HP: "Antileukemia Activity and In vivo Calcium-Studies of Several Novel Vitamin D-3 Analogs," <i>Proceedings of the American Association for Cancer Research Annual Meeting</i> 35 (0):p408 1994	☆
	OCX	LUTZKY, J; VUJICIC, M; BINDERUP, L; BHALLA, K: "Vitamin D Analogs and Retinoids Exhibit Additive Cytotoxicity to Human Myeloma Cell Lines," <i>Proceedings of the American Association for Cancer Research Annual Meeting</i> 35(0):p408 1994	☆
	OCY	SCHILLING, T; ALBRECHT, C; KOHL, B; ZIEGLER, R; RAUE, F: "Vitamin D and its New Analogue EB1089 in the Treatment of the Walker Carcinosarcoma 256, a Rat Model of Hypercalcemia of Malignancy," <i>Journal of Cancer Research and Clinical Oncology</i> 120 (SUPPL.):pR77 1994	☆
	OCZ	MACKAY, AG; JAMES, SY; OFORI-KURAGU, EA; BINDERUP, L; COLSTON, KW: "Down-regulation of the Oestrogen Receptor and Induction of Apoptosis in Breast Cancer Cells by EB1089, a Novel Vitamin D Analogue," <i>Journal of Endocrinology</i> 139 (SUPPL.):pP14 1993	☆
	ODA	PAKKALA, S; DEVOS, S; ELSTNER, E; RUDE, B; USKOKOVIC, M; BINDERUP, L; KOEFFLER, HP: "Antileukemic Activities and Effects on Serum Calcium of Three Novel Vitamin D-3 Analogs," <i>Blood</i> 82 (10 SUPPL. 1):p255A 1993	☆
MD	ODB	HAMADA, KATSUYUKI; SHINOMIYA, HIROTO: "Novel Vitamin D-3 Analogues and Their Potential for Inhibiting Cancer Cell Growth," <i>Drugs of the Future</i> 18 (11):p1057-1061 1993	☆

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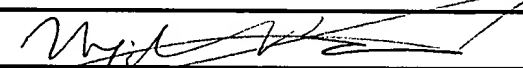
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				Group Art Unit	1645
				Examiner Name	
Sheet	15	of	18	Attorney Docket Number	06204-00102

MB	ODC	POSNER, GH; WANG, Q; HAH, G; JAE, KYOO LEE; CRAWFORD, K; ZAND, S; BREM, H; PELEG, S; DOLAN, P; KENSLER, TW: "Conceptually New Sulfone Analogues of the Hormone Lalpha, 25-dihydroxyvitamin Dinf 3: Synthesis and Preliminary Biological Evaluation," <i>Journal of Medicinal Chemistry</i> (J. MED. CHEM.) (United States) 09 SEP 1999, 42/18 (3425-3435)	
	ODD	KOSHIZUKA, K; KUBOTA, T; SAID, J; KOIKE, M; BINDERUP, L; USKOKOVIC, M; KOEFFLER, HP: "Combination Therapy of a Vitamin Dinf 3 Analog and All-trans-retinoic Acid: Effect on Human Breast Cancer in Nude Mice," <i>Anticancer Research</i> (ANTICANCER RES.) (GREECE) 1999, 19/1 A (519-524)	
	ODE	KOSHIZUKA, K; KOIKE, M; ASOU, H; CHO, SK; STEPHEN, T; RUDE, RK; BINDERUP, L; USKOKOVIC, M; KOEFFLER, HP: "Combined Effect of Vitamin Dinf 3 Analogs and Paclitaxel on the Growth of MCF-7 Breast Cancer Cells In Vivo," <i>Breast Cancer Research and Treatment</i> (BREAST CANCER RES. TREAT.) (United States) 1999, 53/2 (113-120)	
	ODF	VAN WEELDEN, K; FLANAGAN, L; BINDERUP, L; TENNISWOOD, M; WELSH, J: "Apoptotic Regression of MCF-7 Xenografts in Nude Mice Treated with the Vitamin Dinf 3 Analog, EB1089," <i>Endocrinology</i> (United States) 1998, 139/4 (2102-2110)	
	ODG	JONES, G; STRUGNELL, SA; DELUCA, HF: "Current Understanding of the Molecular Actions of Vitamin D," <i>Physiological Reviews</i> (Physiol. Rev.) (United States) 1998, 78/4 (1193-1231)	
	ODH	DANIELSSON, C; MATHIASSEN, IS; JAMES, SY; NAYERI, S; BRETTING, C; HANSEN, CM; COLSTON, KW; CARLBERG, C: "Sensitive Induction of Apoptosis in Breast Cancer Cells by a Novel 1,25-dihydroxyvitamin Dinf 3 Analogue Shows Relation to Promoter Selectivity," <i>Journal of Cellular Biochemistry</i> (J. CELL. BIOCHEM.) (United States) 1997, 66/4 (552-562)	
	ODI	NALDI, L: "Psoriasis: Latest Advances in Understanding and Nove Therapeutic Approaches. 12-13 May, 1997, London, UK," <i>Expert Opinion on Investigational Drugs</i> (EXPERT OPIN. INVEST. DRUGS) (United Kingdom) 1997, 6/7 (895-898)	
MB	ODJ	SCHRADER, M; KAHLEN, JP; CARLBERG, C: "Functional Characterization of a Novel Type of Lalpha, 25-dihydroxyvitamin Dinf 3 Response Element Identified in the Mouse c-fos Promoter," <i>Biochemical and Biophysical Research Communications</i> (BIOCHEM. BIOPHYS. RES. COMMUN.) (United States) 1997, 230/3 (646-651)	

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MD	ODK	DE VOS, S; HOLDEN, S; HEBER, D; ELSTNER, E; BINDERUP, L; USKOKOVIC, M; RUDE, B; CHEN, DL; LE, J; CHO, SK; KOEFFLER, HP: "Effects of Potent Vitamin Dinf 3 Analogs on Clonal Proliferation of Human Prostate Cancer Cell Lines," <i>Prostate</i> (PROSTATE) (UNITED STATES) 1997, 31/2 (77-83) *	
	ODL	LAMARI, Y; GAREL, JM: "Decrease in CGRP and CT Levels Either Contained in or Released by CA-77 C Cells After Combined Treatments with 1,25-dihydroxyvitamin Dinf 3 Analogues and 9-cis Retinoic Acid," <i>Reproduction Nutrition Development</i> (REPROD. NUTR. DEV.) (France) 1997 37/1 (3-12) *	
	ODM	AKHTER, J; CHEN, X; BOWREY, P; BOLTON, EF; MORRIS, DL: "Vitamin Dinf 3 Analog, EB1089, Inhibits Growth of Subcutaneous Xenografts of the Human Colon Cancer Cell Line, LoVo, in a Nude Mouse Model," <i>Diseases of the Colon and Rectum</i> (DIS.COLON RECTUM) (United States) 1997, 40/3 (317-321) *	
	ODN	MACKAY, AG; OFORI-KURAGU, EA; LANSDOWN, A; COOMBES, RC; BINDERUP, L; COLSTON, KW: "Effects of the Synthetic Vitamin D Analogue EB1089 and Tamoxifen on the Growth of Experimental Rat Mammary Tumours," <i>Endocrine-Related Cancer</i> (ENDOCR.-RELAT.CANCER) (United Kingdom) 1996 3/4 (327-335) *	
	ODO	MUSIOL, IM; FELDMAN, D: "1,25-dihydroxyvitamin Dinf 3 Induction of Nerve Growth Factor in L929 Mouse Fibroblasts: Effect of Vitamin D Receptor Regulation and Potency of Vitamin Dinf 3 Analogs," <i>Endocrinology</i> (ENDOCRINOLOGY) (United States) 1997, 138/1 (12-18) *	
	ODP	JAMES, SY; MACKAY, AG; COLSTON, KW: "Effects of 1,25 Dihydroxyvitamin Dinf 3 and its Analogues on Induction of Apoptosis in Breast Cancer Cells," <i>Journal of Steroid Biochemistry and Molecular Biology</i> (J. STEROID BIOCHEM. MOL. BIOL.) (United Kingdom) 1996, 58/4 (395-401) *	
	ODQ	BAUDET, C; CHEVALIER, G; NAVEILHAN, P; BINDERUP, L; BRACHET, P; WION, D: "Cytotoxic Effects of Lalpha, 25-dihydroxyvitamin Dinf 3 and Synthetic Vitamin Dinf 3 Analogues on a Glioma Cell Line," <i>Cancer Letters</i> (CANCER LETT.) (Ireland) 1996, 100/- (3-10) *	
NR	ODR	VAN DEN BEMD, GJCM; POLS, HAP; BIRKENHAGER, JC; KLEINEKOORT, WMC; VAN LEEUWEN, JPTM: "Differential Effects of 1,25-dihydroxyvitamin Dinf 3-analogs on Osteoblast-like Cells and on In Vitro Bone Resorption," <i>Journal of Steroid Biochemistry and Molecular Biology</i> (J. STEROID BIOCHEM. MOL. BIOL.) (United Kingdom) 1995, 55/3-4 (336-346) *	

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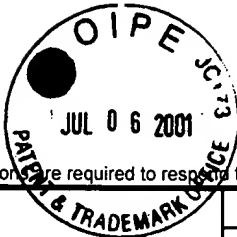
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MA	ODS	ROY, S; MARTEL, J; TENENHOUSE, HS: "Comparative Effects of 1,25-dihydroxyvitamin Dinf 3 and EB1089 on Mouse Renal and Intestinal 25-hydroxyvitamin Dinf 3-24-hydroxylase," <i>Journal of Bone and Mineral Research</i> (J. BONE MINER. RES.) (United States) 1995, 10/12 (1951-1959)	☆
	ODT	KISSMEYER, AM; MATHIASSEN, IS; LATINI, S; BINDERUP, L: "Pharmacokinetic Studies of Vitamin D Analogues: Relationship to Vitamin D Binding Protein (DBP)," <i>Endocrine</i> (ENDOCRINE) (United Kingdom) 1995, 3/4 (263-266)	☆
	ODU	WIJNGAARDEN, TVV; BIRKENHAGER, JC; KLEINEKOORT, WMC; VAN DEN BEMD, GJCM; POLS, HAP; VAN LEEUWEN, JPTM: "Antiestrogens Inhibit in vitro Bone Resorption Stimulated by 1,25-dihydroxyvitamin Dinf 3 and the Vitamin Dinf 3 Analogs EB1089 and KH1060," <i>Endocrinology</i> (Endocrinology)(UNITED STATES) 1995, 136/2 (812-815)	☆
	ODV	PAKKALA, S; DE VOS, S; ELSTNER, E; RUDE, RK; USKOKOVIC, M; BINDERUP, L; KOEFFLER, HP: "Vitamin Dinf 3 Analogs: Effect on Leukemic Clonal Growth and Differentiation, and on Serum Calcium Levels," <i>Leukemia Research</i> (LEUK.RES.) (United Kingdom) 1995, 19/1 (65-72)	☆
	ODW	CARLBERG, C; MATHIASSEN, LIS; SAURAT, J; BINDERUP, L: "The 1,25-dihydroxyvitamin Dinf 3 (VD) Analogues MC903, EB1089 and KH1060 Activate the VD Receptor: Homodimers Show Higher Ligand Sensitivity Than Heterodimers with Retinoid X Receptors," <i>Journal of Steroid Biochemistry and Molecular Biology</i> (J. STEROID BIOCHEM. MOL. BIOL.) (United Kingdom) 1994, 51/3-4 (137-142)	☆
	ODX	HAMADA, K; SHINOMIYA, H: "Novel Vitamin Dinf 3 Analogs and Their Potential for Inhibiting Cancer Cell Growth," <i>Drugs of the Future</i> (DRUGS FUTURE) (Spain) 1993, 18/11 (1057-1061)	☆
	ODY	KOLI, K; KESKI-OJA: "Vitamin Dinf 3 and Calcipotriol Decrease Extracellular Plasminogen Activator Activity in Cultured Keratinocytes," <i>Journal of Investigative Dermatology</i> (J. INVEST. DERMATOL.) (United States) 1993, 101/5 (706-712)	☆
MD	ODZ	BINDERUP, L: "Vitamin D Analogues: New Regulators of Cancer Cell Growth and Differentiation," <i>Bioorganic and Medicinal Chemistry Letters</i> (BIOORG. MED. CHEM. LETT.) (United Kingdom) 1993, 3/9 (1891-1896)	☆

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<b>Substitute for form 1449A/PTO</b>  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)				<b>Completion if Known</b>	
				Application Number	09/804,111
				Filing Date	March 12, 2001
				First Named Inventor	Nongnuch Inpanbutr
				Group Art Unit	1645
Examiner Name					
Sheet 18 of 18	Attorney Docket Number		06204-00102		

NR	OE A	HAQ, M; KREMER, R; GOLTZMAN, D; RABBANI, SA: "A Vitamin-D Analog (EB1089) Inhibits parathyroid-Hormone Related Peptide Production and Prevents the Development of Malignancy-Associated Hypercalcemia In vivo," <i>Journal of Clinical Investigation</i> , 1993, V91, N6 (JUN), P2416-2422	
W3	OE B	KABANOS, TA; WHITE, AJP; WILLIAMS, DJ; WOOLLINS, JD: "Synthesis and X-Ray Structures of Bis(3,5-di-tert-butylcatecholato)(phenanthroline)vanadium (iv) and its Vanadium (v)," <i>Journal of the chemical Society - Series Chemical Communications (J. CHEM. SOC. SER. CHEM. COMMUN.)</i> (United Kingdom) 1992, -1/ (17-18)	

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